

BOROVKOV, M. T.

ZLOBIN, G.K., inzh.; BOROVKOV, M.T., inzh.

Rapid mining of gradients with wide workings. Shakht. stroi. no.2:
29-31 '58. (MIRA 11:3)

(Mining engineering)

BOROVKOV, M.T., gornyy inzhener

The seven-year assignment for an increase in labor productivity
has been fulfilled. Ugol' Ukr. 5 no.12:5-6 D '61. (MIRA 14:12)
(Donets Basin—Coal mines and mining--Labor productivity)

BOROVKOV, M.T.

Improving the quality and increasing the output of medium large
classes of anthracite. Ugol'.prom. no.3:27-29 My-Je '62.

(MIRA 18:3)

1. Nachal'nik rayona PRO kombinata "Donbassantratsit".

BOROVKOV, N.

Training the activist group of the Communist Youth League.
Prof.--tekh. obr. 18 no.5:24 My '61. (MIRA 14:8)

1. Sekretar' komsomol'skoy organizatsii remeslennogo
uchilishcha No.31 (g.Yegor'yevsk).
(Communist youth league)

BOROVKOV, N.A.

Questions and answers. Avt. dor. 26 no.5:21,30 My '63.
(MIRA 16:7)

(Road construction)

BOGROV, P.M., Cand Med Sci---(diss) "Organization and perspectives of
the development of medical service in ~~the establishments of the~~ fish in-
~~dustry~~ of the Volga-Caspian basin." Astrakhan', 1958. 14 pp; 1 sheet of
schematic drawings (Min of Health RSFSR. Saratov State Med Inst), 200 co-
pies (KB,26-58,115)

751-

BELIYAKOV, F.Ye.; BABIN, B.N.; BAL', V.; BOROVKOV, P.N.; VOYEVODIN, I.N.;
 GUREVICH, G.M.; GORBUNOVA, P.I.; KONNOV, A.S.; KALANTAROVA, M.V.;
 KASHIRSKIY, A.Ya.; KAZANCHAYEV, Ye.N.; LEKSUTKIN, A.F.; LETI-
 CHEVSKIY, M.A.; LOPATIN, S.Z.; MIRSKIY, V.N.; PODSEVALOV, V.N.;
 SUBBOTINA, V.P.; TANASIYCHUK, N.P.; FEDOTOV, S.D.; FISENKO, K.N.;
 EL'KIND, I.G.; BOVIN, S.S.; VASIL'YEV, L.T.; DRINKOV, V.D.; DALE-
 CHIN, N.I.; DADAGOV, I.A.; YERMOSHINA, V.I.; ZHUKOV, I.V.; ZIMIN,
 D.A.; IVANNIKOV, A.Ya.; KOVALEV, M.K.; LUGAKOVSKIY, N.L.; NALEVSKIY,
 A.F.; SEREZHNIKOV, V.K.; SEMIGLASOV, M.D.; SOKOLOV, A.V.; STEPANOV,
 V.I.; SAKHARIN, G.S.; SAVENKO, P.A.; SOLODOV, V.P.; UMEROV, Sh.Kh.;
 CHIKINDAS, G.S.; SHCHERBUKHINA, S.N.; DYMKIN, G.Z.; LYSOV, V.S.;
 OSHEROVICH, A.N.; ROKITSINSKIY, E.V.; BRASLAVSKIY, M.S.; RUDENKO,
 I.A.; ZHUKOBORSKIY, M.S.; ZHDANOV, I.Ye.; SUSLIN, V.A.; BRUS, A.Ye.;
 VOLYNSKIY, S.A.; KLYUYEV, V.A.; ISTRATOV, A.G.; TIKHOMIROV, I.F.;
 BUTYRIN, Ya.N.; VOLYNSKIY, S.A.; MINEYEV, M.F.; MAL'TSEV, V.I.;
 VIDETSEIY, A.F., kand.tekhn.nauk, glavnyy red.; DEMIDOV, A.N., red.;
 KRAVETS, A.L., red.; KLIMOVA, Z.I., tekhn.red.

[Industrial Astrakhan] Promyshlennaya Astrakhan'. Astrakhan',
 Izd-vo gazety "Volga," 1959. 318 p. (MIRA 12:11)

1. Astrakhan (Province) Ekonomicheskii administrativnyy rayon.
 (Astrakhan Province--Economic conditions)

BOROVKOV, S.A.

Ratio of chlorides in the blood in cancer and ulcer of the stomach.
Vopr.klin.lech.zlok. novoo obraz. Riga. 2:63-74 1955

1. Fakul'tetskaya khirurgicheskaya klinika (sav. - prof. doktor
P.I. Stradyn') Rishskogo meditsinskogo instituta (dir. - prof. doktor
M.E. Burtniek).

(BLOOD, chlorides in cancer & ulcer of stomach (Rus))

(CHLORIDES, in blood,

in cancer & ulcer of stomach (Rus))

(STOMACH, neoplasms

blood chlorides (Rus))

(PEPTIC ULCER, blood in,

chlorides (Rus))

BOROVKOV, S. A.

BOROVKOV, S. A., Cand Med Sci --(diss) "Topographo-anatomical interrelations between the pancreas and the portal system vessels and their skeletopy." Riga, 1958. 21 pp (Min of Health Letr SSR. Riga Med Inst). (KL, 20-58, 101)

BOBOVKOV, S.A. (Riga, ul. Karla Marksa, d.27, kv.1); UTKIN, V.V.

Complications of acute appendicitis in case of retrocecal position
of the appendix. Vest.khir. 83 no.12:77-80 D '59. (MIRA 13:5)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (sav. - prof. P.I.
Stradyn' [deceased]) Rishskogo meditsinskogo instituta.
(APPENDICITIS complications)

BOROVKOV, S.A., kand.med.nauk (Riga, ul. Karla Marksa, d.27, kv.1)

Clinical evaluation of splenopography in the diagnosis of
portal hypertension. Vest.khir. no.9:49-55 '61. (MIRA 15:3)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - dotsent E.T.
Ezeriyetis) Rzhskogo meditsinskogo instituta.

(PORTAL HYPERTENSION) (SPLEEN—RADIOGRAPHY)

(PORTAL VEIN—RADIOGRAPHY)

BOROVKOV, S. A., kand. med. nauk

Basis for liver resection by the thoracoabdominal approach.
Khirurgiia no.2:95-101 '62. (MIRA 15:2)

1. Iz kliniki fakul'tetskoy khirurgii (zav. - dotsent E. T. Ezeriyetis) Rishskogo meditsinskogo instituta i Instituta eksperimental'noy biologii i meditsiny (dir. - prof. Ye. N. Meshalkin) sibirskogo otdeleniya AN SSSR.

(LIVER—SURGERY)

BOROVKOV, S.A.

Experimental resection of the liver by the thoracoabdominal approach. Eksp. khir. i anest. 7 no.6:39-43 N-D '62.

(MIRA 17:10)

1. Iz kliniki fakul'tetskoy khirurgii (zav. - dotsent E.T. Ezeriyetis) Rzhskogo meditsinskogo instituta i iz kafedry torakal'noy khirurgii i anesteziologii (zav. - prof. Ye.N. Meshalkin) Tsentral'nogo instituta usovershenstvovaniya vrachey.

BOROVKOV, S.; ZHDAN, N.

Effect of the extent of liver neobiosis on the total protein
and urea level in blood serum. Izv.AN Latv.SSR no.7:123-128
'63. (MIRA 17:4)

BOROVKOV, S.; ZHDAN, N.

Permissible time for the exclusion of the liver from blood circulation
and the effect of the extent of the resection on its function. Izv.
AN Latv.SSR no.9:103-110 '63. (MIRA 16:12)

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BOROVKOV, S.A.; BLYUGER, A.F.

Effect of liver surgery on the activity of some enzymes in
the blood serum. Eksp. khir. i anest. 8 no.5:34-36 S-D '63.
(MIRA 17:6)

1. Rzhskiy meditsinskiy institut.

BOROVKOV, S.A., kand. med. nauk (Riga, ul. Karla Marksa, 27, kv.1)

Surgery on the liver by the thoracoabdominal approach. Vest. khir.
no.7:49-54 J1 '64. (MIRA 18:4)

1. Iz kafedry khirurgii (zav. - kand. med. nauk S.A.Borovkov)
fakul'teta usovershenstvovaniya vrachey Rzhskogo meditsinskogo
instituta (rektor - dotsent V.A.Korzan).

BCROVKOV , V.

Increase the quality in the present television production.

Radio no. 11:44 N '60.

(MIRA 14:1)

(Television—Receivers and reception)

SHCHERBAKOV, V. (Moskovskaya obl.); BOROVKOV, V.; KOZLOV, Yu. (st.
Alabushevo, Moskovskoy obl.); KOPEYKIN, V. (g. Pushkino);
KOLOSOV, I. (g. Leningrad); RAKCHEYEV, N. (g. Torzhok); MARTYNOV, K.

Repaired by amateurs. Radio no.8:47-48 Ag '61. (MIRA 14:10)
(Television--Repairing)

L 9408-66 EWT(m)

ACC NR: AP5026387

SOURCE CODE: UR/0331/65/000/008/0016/0018

AUTHOR: Borovkov, V.

ORG: SNIILP

TITLE: Track covering for a road of asphalt-concrete slabs

SOURCE: Lesnaya promyshlennost', no. 8, 1965, 16-18

TOPIC TAGS: asphalt, reinforced concrete, concrete, road, civil engineering/ BN III
asphalt, D 152 asphalt mixer

ABSTRACT: The Laboratory of Road Building of the Sverdlovsk Scientific Research Institute of the Lumber Industry has organized experimental production of large hot asphalt-concrete slabs, and has used them for building track-type lumber-transport roads. Owing to their plastic properties, asphalt-concrete slabs remain close to the base of the road. These slabs are simpler to make than reinforced-concrete ones, and the use of wood reinforcement reduces cost and saves metal. They have the advantages of great density, strength, watertightness, and stability to shocks from loaded trucks, as compared with ordinary multilayer nonrigid road coverings. Gravel must be added (30% of total weight of mineral part) for medium-grained asphalt-concrete. Mineral powder is an important component; it must contain not less than 70% particles finer than 0.071 mm. An experimental set of road slabs was made of fine-grained asphalt-concrete: 85--90% asbestos siftings and 10--15% mineral powder. BN-III

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UDC: 625.85

L 9408-66

ACC NR: AP5026387

asphalt was added (3% of the weight of the mineral part). The slabs (see Fig. 1)

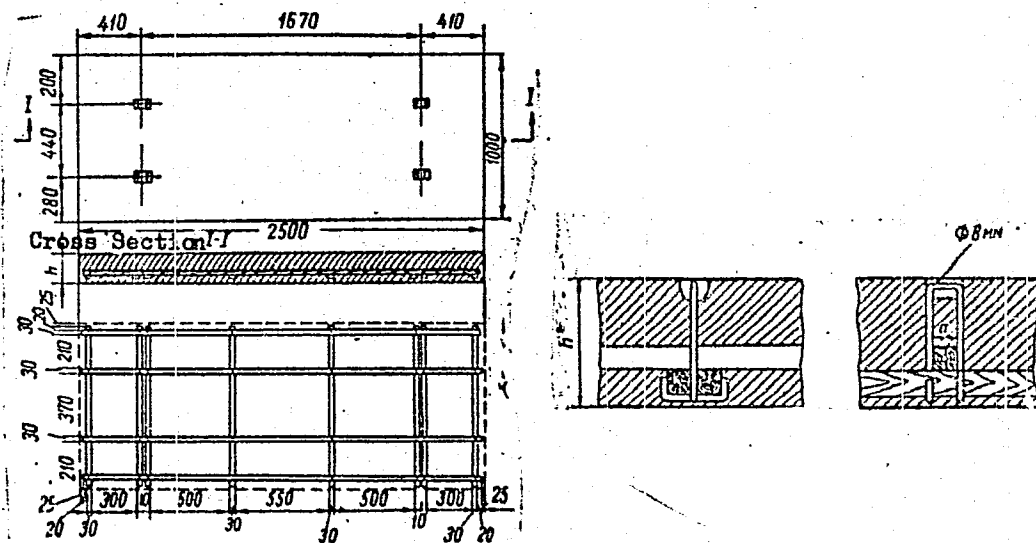


Fig. 1. Slabs and reinforcing framework. Below-- attachment of mounting loops.

Card 2/3 rds

L 9408-66

ACC NR: AP5026387

had wood edging for strength in transport. A D-152 asphalt mixer was used. These slabs can be recommended for the upper surface of lumber-transport roads where there are no gravel materials. These slabs can be made industrially in a polygonal form with water cooling in the summer and air cooling in the winter, on vibrating platforms with horizontal or vertical metal forms, and with a special vibrating-press stand. Orig. art. has: 1 diagram, 2 photographs, and 2 tables.

SUB CODE: 13/ SUBM DATE: none

Card 3/3 *MD*

ZININ, V.F.; BOROVKOV, V.F.; SOLDATOV, Ye.I.

Rotary drilling of rocks in bauxite mines. Gor.zhur.
no.8:32-33 Ag '62. (MIRA 15:8)

1. Ural'skiy nauchno-issledovatel'skiy proyektnyy institut
mednoy promyshlennosti, Sverdlovsk).
(Boring)

ZININ, V.F.; BOUROVKOV, V.F.; SOLDATOV, Ye.I.

Rotary drilling of rocks. Biul.tekh.-ekon.inform.Gos.nauch.-issl.
inst.nauch.i tekhn.inform. no.9:12-13 '62. (MIRA 15:9)
(Boring)

BOROVKOV, V.N.

Experience in operating the main drive of the 800 mill. Prom.
energ. 19 no.5:15-17 My '64. (MIRA 17:6)

BOROVKOV, V.P.; SERGIYEVICH, I.I.

The Akulov Hydraulic Engineering System. Gor.khoz.Mosk. 36
no.8x38-40 Ag '62. (MIRA 16:1)

1. Nachal'nik Upravleniya Akulovskogo gidrouzla (for Borovkov).
2. Glavnyy inzh. Upravleniya Akulovskogo gidrouzla (for
Sergiyevich).

(Moscow—Water supply)

FEDOROVA, K.M.; BOROVKOV, V.S.; AVERBUKH, S.B.

Using the polarographic method for the determination of the
number of viscose solutions. Khim.volok. no.2:64-66 '60.

(MIRA 13:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut volokna i
Moskovskiy khimiko-tekhnologicheskiy institut.

(Viscose)

ACC NR: AP7001436

(A, N)

SOURCE CODE: UR/0413/66/000/021/0157/0158

INVENTOR: Potiyevskiy, O. I.; Makhan'kov, V. Ye.; O Shashkov, L. L.; Borovkov, V. S.

ORG: none

TITLE: Differential optical correlator. Class 42, No. 188147

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 21, 1966, 157-158

TOPIC TAGS: signal correlation, optic system, optic method

ABSTRACT: A differential optical correlator is described (see Fig. 1) which determines the correlation coefficient between (for example) two images. It contains

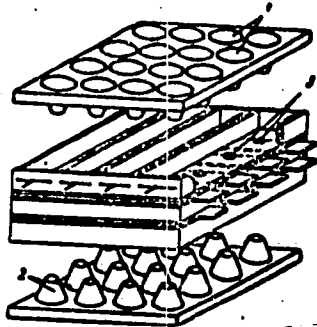


Fig. 1. Optic correlator

1 - Hemispherical lenses; 2 - light conductors;
3 - working filter regions.

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UDC: 681.142.07

ACC NR: AP7001436

a photoelectric integrator and an optical multiplier based on double modulation of light implemented by electrochemical modulators. To extend their dynamic range, each modulator optical filter contains an independent focusing system. This focusing system consists of a hemispherical lens and a conical light conductor which concentrates the light flux on the working region of the filter. To assure compactness and simplicity of construction optical filters and focusing components form a double-layer matrix board in which the electrochemical modulator electrodes are interconnected in rows and columns. Orig. art. has: 1 figure. [BD]

²⁰
SUB CODE: 09/ SUBM DATE: 12Feb65/ ATD PRESS: 5110

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S/076/61/035/008/015/016
B110/B101

AUTHORS: Borovkov, V. S., and Averbukh, S. B. (Moscow)

TITLE: A potentiostat for electrochemical studies

PERIODICAL: Zhurnal fizicheskoy khimii, v. 35, no. 8, 1961, 1867 - 1869

TEXT: The authors of the present paper wanted to develop a potentiostat that would be easy to manufacture and convenient in use. The following facilities were utilized: potentiometer Π -4 (P-4); a-c amplifier 3Y-109 (EU-109), and the reversing motor PA-09 (RD-09). The electronic potentiometer ~~ЭП~~ (EPP) served for the automatic recording of the current flowing through the cell. The electrolytic cell 1 (Fig. 1) is fed with direct current of the controllable current source 2. The potential of the working electrode is given by potentiometer Π -4 (P-4). If it deviates from the given value, the out-of-balance signal appears at the potentiometer output, and, after having been amplified by electronic amplifier 3, starts the reversing motor which is mechanically connected to the controllable current source 2. The current strength of the cell is measured by milliammeter M-82 (M-82) or recorded by potentiometer 5. In this case the

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B110/B101

A potentiostat for...

scale of potentiometer 5 is varied by means of resistance box 7. The switching over from milliammeter to potentiometer takes place by means of commutating switch 6, while the operating current of P-4 potentiometer is regulated manually. Whenever, with a low current strength in the circuit, it was necessary to keep the potential accurately constant, the cell was fed by a 12-v battery accumulator over a voltage divider. The latter consisted of two double alternating resistors of the type ~~BSP~~ (VZR) and interposed helical potentiometer. For a resistance of the voltage divider of 1.045 ohms and a cell current ≤ 300 ma, regulation was accurate to ± 0.05 mv. Moreover, the system included a transformer-rectifier arrangement consisting of ~~JATP~~ (LATR) arranged in bridge connection, step-down transformer and rectifier. The current was regulated by the reversing motor which was connected to the LATR axis. For ≤ 12 v and ≤ 5 a regulating was accurate up to ± 2 mv. By connecting the potentiostat to the recording potentiometer ~~EPP~~-09 (EPP-09), the change of amperage with the time of electrolysis can be automatically recorded. This potentiostat has been successfully applied to electrochemical studies, after its operation had been checked by determining the activation energy of potassium ferroferri-cyanide electrolysis for various electrode potentials. The results were

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A potentiostat for...

S/076/61/035/008/015/016
B110/B101

consistent with data hitherto available. In addition, the device was successfully used for studying the electrochemical oxidation of leuco-trisulfonic acid of ethyl benzyl aniline for the production of the acid green dye 2-~~X~~ (2-Zh) according to the temperature-kinetic method by Professor S. V. Gorbachev, and also for determining the yields. The potentiostat with recorder is now used in studies being conducted by N. Ye. Khomutov and V. S. Borovkov into the oxidation kinetics of carbonates (Fig. 2). Professor S. V. Gorbachev is thanked for interest displayed. There are 2 figures and 3 references: 2 Soviet-bloc and 1 non-Soviet-bloc.

ASSOCIATION: Khimiko-tehnologicheskii institut im. D. I. Mendeleeva
(Institute of Chemical Technology imeni D. I. Mendeleev)

SUBMITTED: February 21, 1961

Card 3/5

YEGOROV, V.V.; BOROVKOV, V.S.; LUKOVTSSEV, P.D.

Electrophysical properties of an oxidized niobium electrode
during cathodic and anodic polarization. Elektrokhiimiia 1
no.5:517-523 My '65. (MIRA 18:6)

1. Institut elektrokhiimi AN SSSR.

CA

Borovkov, V. V.

Apparatus for the separation of certain types of steel wire. V. V. Borovkov and P. D. Korzh (Magnitogorskii Gorno-Metallurgicheskii Inst.). *Zavodskaya Lab.* 14, 1001 (1948).—An app. is described for measuring the m.f. produced by a specimen of steel wire between a hot (200°) and cold brass electrode. The app. is used at 1 plant to differentiate between 3 types of steel wire.
H. W. Rathmann

Sorting Thin Steel Wire with the Stethoscope. V. V. Borovkov and P. D. Korsh. (Zavuchskaya Laboratoriya, 1949, vol. 18, June, pp. 764-766). [In Russian]. A stethoscopic technique for sorting steel wires is described and tables are given which are applicable to a wide range of steels. The method can be used with wire as thin as 0.02-0.03 mm.

TREYER, V.V.; BOROVKOV, V.S.

Electric field of a controlled electrochemical resistance cell.
Elektrokimiia 1 no.9:1130-1133 S '66. (MIRA 13:10)

1. Institut avtomatiki i telemekhaniki AN SSSR i Institut elektro-
kimiia AN SSSR.

L 01065-67 ENT(1)/EWT(m)/T DS/JD
 ACC NR: AP6015576 (IV) SOURCE CODE: UR/0146/66/009/002/0069/0073
 AUTHOR: Borovkov, V. S.; Treyer, V. V.
 ORG: Moscow Aviation Institute (Moskovskiy aviatsionnyy institut)
 TITLE: Investigation of electrochemical controllable resistors
 SOURCE: IVUZ. Priborostroyeniye, v. 9, no. 2, 1966, 69-73
 TOPIC TAGS: electrochemical resistor, data storage, ~~analog~~ memory core,
analog system
 ABSTRACT: Fundamentals about the electrochemical controllable resistor (chemical memistor) based on the work of B. Widrow et al. (IRE Trans., MIL-5, 1961, no. 4) are set forth. The results of an investigation of Soviet-made specimens are briefly reported. These readout electrodes proved to be best: ceramic-backing thin-film carbon resistors; Pt or Rh thin films; thin (under 20 microns) wire of the same metals. Other experimental data: memistor capacitance, 0.1-0.2 μ F(?); capacitive reactance at 1-5 kc can be neglected; temperature coefficient of resistance, 1.1-1.5% per 1C for carbon memistors or 0.1-0.3% per 1C for metal memistors; resistance variation with no control signal, 0.1-0.5% per 24 hours; readout current, 2-5 ma; resistance-change time, 10-100 sec. Orig. art. has: 3 figures, 5 formulas, and 1 table.
 SUB CODE: 09 / SUBM DATE: 20Feb65 / ORIG REF: 001 / OTH REF: 001
 Cord 1/1 vlr UDC: 621.350

USSR/Electricity - Arc Discharge

Feb 52

"Process of Oxidation and Transfer, Occurring in Metallic Electrodes During a DC Arc Discharge," V. V. Borovkov, P. D. Korzh

"Zhur Tekh Fiz" Vol XXII, No 2, pp 227-237

Variation in spectral intensity and relative line intensity proves irregular exchange of materials between electrodes during arc discharge. V. P. Smirnov ("Zhur Tekh Fiz" VII, 15 1937) V. K. Prokof'yev ("Iz Ak Nauk USSR, Ser Fiz" XII, 4 1948) and L. N. Filimonov ("Zavod Lab, XV, 6, 1947) considered materials transferred from cathode to anode. Authors

209T52

USSR/Electricity - Arc Discharge (Contd)

Feb 52

found 2 types of electron oxidation: mol diffusion predominating and convective diffusion of reacting substances. He considers possible to control and direct transfer of materials by selection of electrode metal and operating conditions. Received 12 Feb 51.

209T52

BOROVKOV, V. V.

USSR/General and Special Zoology. Insects. Insect P
and Mite Pests. Pests of Commercial Oil-Bearing,
Medicinal and Essential Oil-Bearing Crops.

Abs Jour : Ref Zhur-Biol., No 20, 1958, 92173

Author : Borovkov, Ye. A.

Inst :

Title : The Pink Bollworm (Cotton Moth) - A Dange-
rous Quarantine Cotton Pest and Measures
of Protecting Cotton Fields Against It.

Orig Pub : S. kh. Tadzhikistana, 1957, No 6, 54-58

Abstract : Distribution, development stages and the
harmfulness of the pink bollworm are dis-
cussed, as well as measures for preven-
ting the pest from invading the territory
of the USSR.

Card : 1/1

USSR / General and Specialized Zoology - Insects.

P

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No. 20931

Author : Borovkov, Ye. A.; Tsukerman, Ye. A.

Inst : Not given

Title : Survival of the Caterpillars of the Leaf-
Roller Moths in Apple Storage

Orig Pub : Zashchita rast. ot vredit. i bolezney,
1958, No 2, 48-50

Abstract : On Sept. 30, 1955 apples of the Kuo-Kuang
and Hung-Yu varieties were placed in cold
storage; they had been infected with
caterpillars (9 or 38% of IV generation
and 4 or 34% of V generation) of the most
widespread in China, and unknown in the
USSR, leaf-roller moths, *Carposina sasakii*
and *Grapholitha inopinata*. The temperature

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USSR / General and Specialized Zoology - Insects.

P

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No. 20931

in storage was 0-1.5°, and the relative humidity of the air was 85-90%. On Oct. 1st, Nov. 1st and Dec. 1st, 50 apples each were taken for analysis. 88 caterpillars were found. All 18 caterpillars of the I generation and 2 out of 17 of the II generation had perished, but 14 out of 24 caterpillars of the II, 17 out of 20 of the IV and 8 out of 9 of the V generation were alive! 5 and 6 months after placing in storage, 370 apples were taken for analysis. 117 dead caterpillars were found. (I generation - 4; II - 40; III - 61; IV - 10; V - 2). Simultaneously, apples of the same varieties were placed in storage in a cold semi-basement (average semi-monthly temperature from 0.4 to 2°), and

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USSR / General and Specialized Zoology - Insects.

P

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No. 20931

in a warm basement (-0.3 to +4°). The survival of the caterpillars was checked on Mar. 4th and Apr. 25th. All the caterpillars of the younger generations had perished, and only the caterpillars of the V generation (2 in the experiment in the sub-cellar and 4 in the cellar) were alive. The development of the caterpillars in the cellar took place normally, and in general was completed in January. Thus, even with prolonged storage of the fruit, there remain caterpillars in them which are alive, and must be taken into account when transporting apples from regions where these species of leaf-roller moths are known to exist. -- A. P. Adrianov

Card 3/3

59

BOROVKOV, Ye.A.

Effect of parasites and predators on the number of fall webworms. Izv.Otd.est.nauk AN Tadzh.SSR no.3:67-76 '58.
(MIRA 13:4)

1. Laboratoriya gosinspektsii po karantinu sel'skokhozyaystvennykh rastenii Tadzhikskoy SSR.
(Fall webworm)

BOROVKOV, Yo.A.

Insect predators on pseudoscale insects in Tajikistan. Izv.
Otd.est.nauk AN Tadsh.SSR no.2:41-47 '59. (MIRA 13:4)

1. Laboratoriya Gosinspektsii po karantimu sel'skokhozyay-
stvennykh rasteniy Ministerstva sel'skogo khozyaystva SSSR
po Tadzhikskoy SSR.

(Tajikistan--Scale insects--Diseases and pests)

BOROVKOV, Ye.A.

Laboratory for studying the pink bollworm in Afghanistan. Zashch. rast.
ot vred. i bol. 7 no.8:51-52 Ag '62. (MIRA 15:12)
(Afghanistan—Pink bollworm)

BOROVKOV, Ye.A., entomolog

Eliminate the pink cotton worm *Pyroderces rileyi* from the
quarantine list. Zashch. rast. ot vred. 1 bol. 7 no.9:46
S '62. (MIRA 16:8)

(Afghantistan—Moths—Extermination)

BOROVKOV, Ye.A.

Entomophagous parasites of scale insects in Tajikistan. Uch. zap.
Tadzh. un. 17. Trud. Fak. est. nauk no. 3: 47-52 *58 (MIRA 17:7)

L 23997-66 EMT(1)/EWA(h)

ACC NR: AP5009838

SOURCE CODE: UR/0413/66/000/004/0031/0031

AUTHOR: Borovkov, V. S.; Knots, L. L.; Lukovtsev, P. D.; Sokolov, L. A.

ORG: none

TITLE: An ELF pulse generator. Class 21, No. 178058 [announced by Institute of Electrochemistry, AN SSSR (Institut elektrokhimii AN SSSR)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 4, 1966, 31

TOPIC TAGS: ELF, pulse generator, positive feedback, current stabilization, semiconductor device

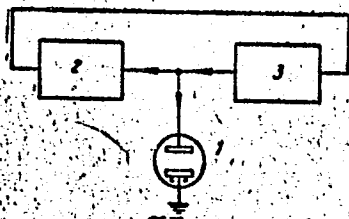
ABSTRACT: This Author's Certificate introduces: 1. An ELF pulse generator based on semiconductor devices. The unit contains a switching circuit, a reversible current stabilizer and a positive feedback circuit. In order to reduce the frequency and increase the stability of the generated pulses, an electrochemical time-delay element is connected in the positive feedback circuit at the output of the reversible current stabilizer. The voltage from this element is fed to the switching circuit. 2. A modification of this generator in which various periods of oscillations may be produced by connecting several electrochemical elements with various time delays in the feedback circuit.

UDC: 621.373.52

Card 1/2

L 23997-66

ACC NR: AP6009838



1--electrochemical time-delay element; 2--electronic switching circuit; 3--reversible current stabilizer

SUB CODE: 09/

SUBM DATE: 05Apr65/

ORIG REF: 000/

OTH REF: 000

Card 2/2

ALEKSEYEV, Ye.S.; ZASYPKIN, N.S.; SHTOKAREV, A.D.; BUROVOY, I.A.; KRICHEVSKIY,
G.Ya.; BOROVKOV, Ye.G.; KUZNETSOV, Yu.A.

Utilization of the excess heat of the fluidized bed of roasting furnaces.
Prom. energ. 20 no.5:43-47 My '65. (MIRA 18:7)

AL'TOVA, O.; MAYOROVA, V., tkachikha; PUTINTSEVA, Ye., uchetchitsa;
VORONINA, A., tkachikha; BOROVKOVA, A., tkachikha; VOROB'YEVA, A.;
KASPERSKAYA, N.; PEREPIETCHIKOVA, V.; CHUZHAKHINA, L., tkachikha;
KULIKOVA, M., tkachikha

That's better. Rabotnitsa. 40 no.6:21 Je '62. (MIRA 16:3)

1. Predsedatel' fabrichnogo komiteta Gorsko-Pavlovskoy fabriki imeni Kaminskogo, Ivanovskaya oblast' (for Al'tova). 2. Gorbunovskaya tkatskaya fabrika Moskovskogo oblastnogo sojeta narodnogo khozyaystva (for Mayorova, Putintseva, Voronina, Borovkova). 3. Direktor Noginskoy lentotkatskoy fabriki "Krasnaya lenta" (for Vorob'yeva). 4. Predsedatel' fabrichnogo komiteta Noginskoy lentotkatskoy fabriki "Krasnaya lenta" (for Kasperskaya). 5. Nachal'nik otdela truda Noginskoy lentotkatskoy fabriki "Krasnaya lenta" (for Perepletchikov). 6. Noginskaya lentotkatskaya fabrika "Krasnaya lenta" (for Chuzhakhina, Kulikova).
(Textile industry)

K. R. K. M. M.
BOROVKOVA, A.M., kand. biol. nauk; POTEKHINA, L.F., kand. biol. nauk.

Travassosius rufus Khalill, found in beavers of the U.S.S.R. Trudy
VIGIS 5:73-74 '53. (MIRA 11:1)
(Berezina River--Nematoda) (Parasites--Beavers)

BOROVKOVA, A. M.

"Growth Cycle of the Causative Factor of Trichinosis of the Silver-Black Fox,
Epizootiology and Prophylaxis of This Disease," Sub. 29 Dec 47, All-Union Inst of
Helminthology imeni Academician K. I. Skryabin.

Dissertations presented for degrees in science and engineering in Moscow in 1947.

SO: Sum.No.457, 18 Apr 55

PETROV, A.M.; BCHOVKOVA, A.M.

Study of the epizootology of toxascariasis in blue foxes.
Trudy VIGIS 7:53-59 '59. (MIRA 13:11)
(Foxes--Diseases and pests) (Ascarids and ascariasis)

BOROVKOVA, A.M.

Inspecting the areas under potato crops for detecting the golden
nematode by means of the selection and analysis of soil samples.
Sbor. rab. po nemat. sel'khoz. rast. no. 5:33-42 13. (MIRA 17:5)

1. Central Laboratory of Plant Quarantine of Ministry of
Agriculture U.S.S.R., Moscow.

BOROVKOVA, A.M.

Strawberry nematode and the complex of measures for protecting
strawberries. Sbor. rab. po nemat. sel'khoz. rast. no. 5:
63-69 '63. (MIRA 17:5)

1. Tsentral'naya laboratoriya po karantinu rasteniy Ministerstva
sel'skogo khozyaystva SSSR, Moskva.

USSR/Engineering - Refractories, Structure Mar 52

"Examination of Electric Corundum in Reflected Light," N. Ye. Filonenko, Dr Tech Sci, L. A. Borovkova, Sci Res Inst of Abrasives and Grinding

"Ogneupory" No 3, pp 124-133

Microscopic study permitted establishing: mineralogical compn of corundum and characteristic appearance of opaque minerals and alloys, such as titanium sesquioxide, titaniferous mineral crystals in rhombic system, titanium nitride and ferroalloys with various content of metallic titanium; microhardness of corundum components;

204725

USSR/Engineering - Refractories, Structure Mar 52
(Contd)

transformation of gray titaniferous mineral at 5000 accompanied by considerable vol expansion which causes formation of crack network on surface of corundum refractories. Presents several photographs.

204725

BOROVKOVA, L. A.

BOROVKOVA, L.A.

BOROVKOVA, L. A. and FILONENKO, N. YE

"Investigation of the Phase Composition of Recovered Materials in the Production of Calcium Carbide," *Abrazivy*, No 9, 3-8, 1953

To carry out an investigation, the authors work out a method of preparing polishing mud from recovered materials and a procedure for mineralogical analysis on preliminarily synthesized specimens of calcium carbide. They establish the nature of the admixtures in calcium carbide.

RZhGeol, No 1, 1955

DRBOGLAV, Ye.S.; BOROVKOVA, L.M.

Calculating the level and degree of mechanization in the plants of
secondary wine making. Trudy TSentr.nauch.-issl.inst.piv., bezalk.
i vin.prom.no.11:134-142 '63. (MIRA 17:9)

USSR / Microbiology. Human and Animal Pathogens.
Corynebacteria.

F

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5625.

Author : Borovkova, N. G.
Inst : Odessa Sci. Res. Inst. of Epidemiology and
Microbiology.
Title : Effect of Scarlet Fever Streptococcal Allergen
and Dick Toxin upon Development of Immunity in
Diphtheria.

Orig Pub: Tr. Odessk. n.-i. in-ta epidemiol. i mikrobiol.,
1957, 3, 95-102.

Abstract: Introduction of purified streptococcal allergen
into guinea pigs in the process of their immuni-
zation against diphtheria markodly disturbed the
E.S.R. function, and inhibited development of
immunity, which was confirmed by skin reactions

Card 1/2

61

USSR / Microbiology. Human and Animal Pathogens.
Corynebacteria.

F

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5625.

Abstract: and survival test. The animals did not develop full immunity in 81% of cases, while the controls acquired it only in 7%. The allergen had the greatest inhibitory effect upon its introduction at the beginning of immunization. The Dick scarlet fever toxin had an inhibitory effect on development of immunity to diphtheria only when introduced in large doses (350,000 skin doses).
-- A. N. Shibayeva.

Card 2/2

S/078/62/007/006/001/024
B124/B138

AUTHORS: Shchukarev, S. A., Smirnova, Ye. K., Vasil'kova, I. V.,
Borovkova, N. I.

TITLE: Formation enthalpy of niobium pentabromide and oxytribromide

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 7, no. 6, 1962, 1213-1215

TEXT: This was determined from their measured hydrolysis enthalpies for a newly developed method of separating niobium and tantalum by fractionating their bromine compounds. NbBr_5 free from oxybromide was produced by making niobium pentoxide react with CBr_5 in sealed ampoules evacuated with a forepump. A mixture of Nb_2O_5 , NbOBr_3 , and unreacted CBr_4 was obtained by 18-20 hr heating at 200°C . The ampoule was cooled, the gaseous reaction products were removed, the ampoule was sealed again and heated for 8-10 hr at $360-380^\circ\text{C}$. The reaction products CO , COBr_2 , and Br_2 were drawn off with a forepump at 70°C . The resulting NbBr_5 was purified

Card 1/2

BOROVKOVA, P.V.; VEYSMAN, Yu.A.

Parasitic cyst of the heart. Vest.rent.i rad. 36 no.3:62-63 My-
Je '61. (MIRA 14:7)

1. Iz rentgenovskogo otdeleniya 3-y Rizhskey gorodskoy bol'nitsy
(glavnyy vrach M.A.Rabo).
(HEART—HYDATIDS)

BOROVKOVA, Tamara Nikolayevna; NIKULIN, Pavel Ivanovich; SHIROKOV,
Vyacheslav Mikhaylovich; MIKHEYEV, N.I.; DURASOVA, V.M.,
tekhn. red.

[The Kuybyshev Reservoir; physical geography] Kuibyshevskoe
vodokhranilishche; kratkaia fiziko-geograficheskaiia kharak-
teristika. [By] T.N.Borovkova, P.I.Nikulin, V.M.Shirokov.
Kuibyshevskoe knizhnoe izd-vo, 1962. 90 p. (MIRA 16:4)
(Kuybyshev Reservoir region--Physical geography)

BOROVKOVA, T.N.

Some characteristics of the meteorological regime of the open
part of the Kuybyshev Reservoir. Sber. rab. Koms. SMO no.5:108-
141 '65. (MIRA 18.10)

WRITE BELOW THIS LINE

POSTCARD

ACCESSION NR: AP4027985

S/0205/64/004/002/0306/0312

AUTHOR: Bogdanov, Yu. F.; Borovkova, T. V.

TITLE: Radiostimulation of cell divisions. I. Mitotic index change in roots after X-irradiation of pea seeds with relatively small doses

SOURCE: Radiobiologiya, v. 4, no. 2, 1964, 306-312

TOPIC TAGS: X-irradiation, 69 and 276 r radiation dose, irradiated pea seed, mitotic index change, cell division radiostimulation, mitotic phase, chromosome aberration, root tip meristem, increased mitotic index

ABSTRACT: Pea seeds were soaked in distilled water for a 27 hr period. After 26 hrs the seeds were removed from the water for X-irradiation (RUP-200 unit, 190 kv, 15 ma, 0.75 mm Al+0.5 mm Cu, 23 r/min) with single 46, 69, 138 and 276 r doses and soaking was resumed up to the end of the 27 hr period. Seeds were planted in Petrie cups filled with wet sand. Both soaking and sprouting of seeds took place under conditions of darkness at $22.5 \pm 0.2^\circ\text{C}$. Roots were fixed and stained at various periods for 84 hrs following radiation.

Card 1/2

ACCESSION NR: AP4027985

Mitotic indices were based on the number of mitotic phases per 1000 cells in the root tip meristem. Findings indicate that mitotic indices for root tip meristem of seeds irradiated with 69, 138, and 276 r doses in the first 28 hrs after irradiation are 1.2 to 1.6 times higher than in control groups. This maximum corresponds to the appearance of the first mitosis after sprouting and at the same time is the first mitosis after irradiation. Mitotic index increase appears to be the result of accelerated cell division at the expense of a decreased interphase and not the result of inhibited visible mitotic stages or compensation for retarded entry of cells into first mitosis. "The authors express their gratitude to O. I. Epifanova, N. V. Luchnik, L. S. Tsarapkin, and I. M. Shapiro for their assistance and discussion of results." Orig. art. has: 3 tables and 2 figures.

ASSOCIATION: Institut radiatsionnoy i fiziko-khimicheskoy biologii AN SSSR, Moscow (Radiation and Physicochemical Biology Institute AN SSSR)

SUBMITTED: 22Jan63

SUB CODE: LS
Card 2/2

NR REF SOV: 006

ENCL: 00

OTHER: 007

36520

S/081/62/000/006/017/117
B166/B101

5.3700

AUTHORS: Bagdasar'yan, Kh. S., Milyutinskaya, R. I., Trosman, E. A.,
Borovkova, V. A.

TITLE: Quantitative studies of radical reactivity by the competitive
reaction method

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 6, 1962, 53, abstract
6B360 (Tr. po khimii i khim. tekhnol. Gor'kiy no. 1, 1961,
12 - 17)

TEXT: Using a method described earlier (RZhKhim, 1960, no. 24, 96341),
measurements were made of the relative rates of attachment of phenyl
radicals to aromatic rings (rate constant k_1) and of the separation rates
of hydrogen from alkyl benzenes by phenyl radicals (constant k_2). Separation
of chlorine from carbon tetrachloride was taken as the standard
reaction (constant k_3). The following values of the constants were obtained
at 100°C (the first figure is k_1/k_3 , the second figure is k_2/k_3): benzene
Card 51/2

Quantitative studies of radical...

S/081/62/000/006/017/117
B166/B101

0.235; - ; nitrobenzene 1.0; 0.1; naphthalene 5; 0; toluene 0.48; 0.33; isopropyl benzene 0.98; 0.85; polystyrene 0.62; 0.06. The polar substitutes - the electron-donor and electron-acceptor-- activate the phenyl rings. There is no marked separation of hydrogen from the aromatic rings. The rate of hydrogen separation from the alkyl groups of polystyrene is considerably lower than it is from isopropyl benzene, which is apparently attributable to the steric factor. [Abstracter's note: Complete translation.]

Card 2/2

BAGDASAR'YAN, Kh.S.; BOROVKOVA, V.A. (Moscow)

Relative reactivity of vinyl monomers toward the benzoate radical.
Zhur.fiz.khim. 35 no.10:2306-2310 0 '61. (MIRA 14:11)

1. Fiziko-khimicheskiy institut imeni L.Ya.Karpova.
(Vinyl compounds) (Benzoic acid)

20289

S/076/61/035/010/008/015
B106/B101

5.3830

AUTHORS: Bagdasar'yan, Kh. S., and Borovkova, V. A.

TITLE: Relative reactivity of vinyl monomers to the benzoate radical

PERIODICAL: Zhurnal fizicheskoy khimii, v. 35, no. 10, 1961, 2306 - 2310

TEXT: In a previous paper, one of the authors together with R. I. Milyutinskaya developed a method for determining the relative reactivity of vinyl monomers to the benzoate radical (Ref. 1: Kh. S. Bagdasar'yan, R. I. Milyutinskaya, Zh. fiz. khimii, 27, 420, 1953). This method is based on the ability of the benzoate radical to form a phenyl radical and a molecule of carbon dioxide: $\text{PhCOO}^\bullet \rightarrow \text{Ph}^\bullet + \text{CO}_2$ (1). In the presence of a vinyl monomer, a competing reaction, the addition of the benzoate radical to the double bond of the monomer, takes place: $\text{PhCOO}^\bullet + \text{M} \rightarrow \text{PhCOOM}^\bullet$ (2). By determining the CO_2 yield in the presence and absence of the monomer, the ratio k_2/k_1 of the reaction constants is obtained which is characteristic of the reactivity of the monomer to the benzoate radical

Card 1/5

Relative reactivity of vinyl monomers

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S/076/61/035/010/008/015
B106/B101

(Ref. 2: R. I. Milyutinskaya, Dis. In-t im. L. Ya. Karpova, M., 1958;
Ref. 3: Kh. S. Bagdasar'yan, Teoriya radikal'noy polimerizatsii (Theory
of radical polymerization). Izd-vo AN SSSR, M., 1959). In the present
paper, reactions of benzoate radicals with styrene and methyl methacrylate
are examined by the same method at various temperatures. In addition, the
values of k_2/k_1 for α -methyl styrene and stilbene were determined, which
practically do not homopolymerize according to the radical mechanism. The
values of k_2 for the latter two compounds were compared with the corre-
sponding values of the typical monomers, styrene and methyl methacrylate.
In the investigations, the CO_2 yields were determined during the thermal
decomposition of benzoyl peroxide in a mixture of carbon tetrachloride or
benzene and the substance to be examined. The yields of benzoic acid and
the resulting polymer were also determined. For the ratio k_2/k_1 , the
following values were obtained at 100°C : for styrene 1.35 liters/mole,
for α -methyl styrene 1.33 liters/mole, for methyl methacrylate 0.20
liters/mole, and for stilbene 2.10 liters/mole. These values increase
with decreasing temperature. From this temperature dependence the

Card 2/5

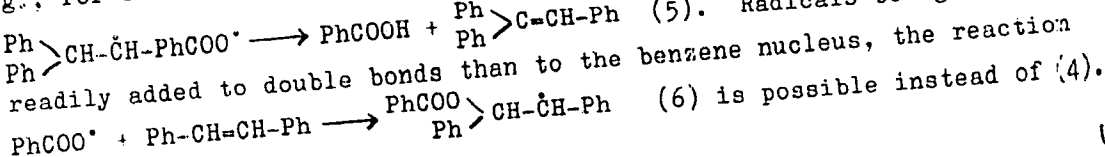
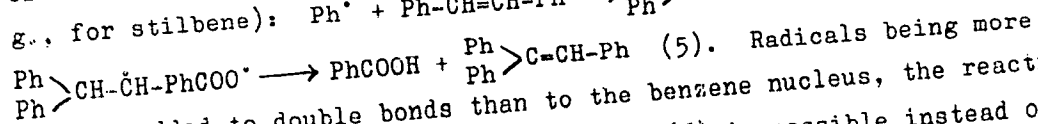
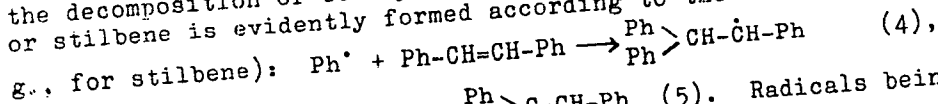
28289

S/076/61/035/010/008/015
B106/B101

Relative reactivity of vinyl monomers ...

difference of the activation energies of reactions (1) and (2) was determined. It is 7.3 kcal/mole for styrene in carbon tetrachloride. The values of k_2/k_1 indicate that the reactivity of the double bond in

α -methyl styrene is equal to that in styrene, and (referred to 1 reaction center 1.05 liters/mole) somewhat lower in stilbene. The fact that, in spite of this high reactivity of double bonds in α -methyl styrene and stilbene, no homopolymerization occurs at high temperatures is explained by the low activation energy and the resultant high reaction rate of depolymerization. The low activation energy of depolymerization is due to steric hindrances. The considerable amount of benzoic acid produced by the decomposition of benzoyl peroxide in the presence of α -methyl styrene or stilbene is evidently formed according to the following mechanism (e.g., for stilbene):



Card 3/5

2829

Relative reactivity of vinyl monomers ...

S/076/61/035/010/008/015
B106/B101

Authors also examined the decomposition rate of benzoyl peroxide in benzene and carbon tetrachloride medium in the presence of styrene or methyl methacrylate (Table 2). Decomposition of benzoyl peroxide in the presence of styrene or methyl methacrylate proceeds at a lower rate in carbon tetrachloride than in benzene. This difference is even increased by rising temperature. At 100°C, the decomposition rate of benzoyl peroxide in benzene in the presence of styrene is considerably higher than in the presence of methyl methacrylate whereas at lower temperatures (60°C) the decomposition rates in the presence of styrene and in the presence of methyl methacrylate are of the same order of magnitude. There are 4 figures, 2 tables, and 12 references: 5 Soviet and 7 non-Soviet. The three most recent references to English-language publications read as follows: C. Barson, J. Bevington, D. Eaves, Trans. Faraday Soc., 54, 1678, 1958; J. Bevington, J. Toole, J. Polymer Sci., 28, 413, 1958; C. Barson, J. Bevington, Tetrahedron, 4, 147, 1958.

ASSOCIATION: Fiziko-khimicheskiy institut im. L. Ya. Karpova (Physico-chemical Institute imeni L. Ya. Karpov)

Card 4/5

The forage value of pine foliage. I. Kotovskii and E. Borovkova. *Problems Animal Husbandry* (U. S. S. R.) 7, No. 11; 122-8(1938).—Pine foliage can be freed from harmful components by steaming and heating. Passing steam through a 1 cu. m. barrel contg. 30.5 kg. of the fine pine foliage decreases the tannin content from 4.6% to 0.4%. Tannin can be completely removed by steeping for 3-4 hrs. in 8 vols. of hot water. Heating and steam-treatment remove etheral oils. The chem. compn., the exch. of digestion and the amt. of digestible substances in pine foliage per 100 parts of dry substance are, resp., org. substance 80.65, 46.44 and 43.92%; crude proteins 10.51, 9.40 and 1.0%; crude fats 0.60, 45.01 and 4.30%; crude cellulose 42.68, 51.30 and 21.92%; nonnitrogenous substances 33.88, 49.48 and 10.76%. The treated foliage may constitute approx. 35% of the ration; its nutritive value is near that of hay. Extn. with alc. decreases the fat content of foliage by 80%. 7 references. W. R. Henn

1. BOROVKOVA, Ye. I.
2. USSR (600)
4. Dairy Cattle - Feeding and Feeding Stuffs
7. Feeding silage to milk cows. Sots.siv., 14, no. 12, 1952.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

ZAFREN, S.Ya., kand.sel'skokhozyaystvennykh nauk; SHARABRIN, I.G., prof.;
BOROVKOVA, Ye.I.

Investigations into the feasibility of substituting silage for hay
in cows' diets. Zhivotnovodstvo 20 no.11:31-37 N '58.
(Dairy cattle--Feeding and feeding stuffs) (MIRA 11:11)

BOROVKOVA, Ye.S.

"Kavkaz" Production Combine strives to produce defectless
goods. Kozh.-obuv. prom. 7 no.5:38-39 My '65.

(MIRA 18:8)

BOROVKOVA Ya. V. kandidat meditsinskikh nauk (Tashkent)

Etiology of chronic peritonitis encapsulans. Klin. med. 32 no.11:
57-59 N 154. (MLRA 8:1)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav.-zasluzhennyy
deyatel' nauki prof. M.C.Astrov) Tashkentского meditsinskogo
instituta.

(PERITONITIS

chronica fibrosa encapsulans, diag.)

USSR / Human and Animal Morphology. Circulatoru System. S-3

Abs Jour: Ref Zhur-Biol., No 14, 1958, 64847.

Author : Borovkova, Ye. V.

Inst : Not given.

Title : Concerning Possible Vascular Variability in the
Pedicle of the Spleen.

Orig Pub: Za sots. adravookhr. Uzbekistana, 1956, No 5, 86-87.

Abstract: No abstract.

Card 1/1

ASTROV, Mikhail Sergeyevich(1882-1957); VASILENKO, L.D., prof., red.;
UMAROV, A.S., dots., red.; BOROVKOVA, Ye.V., dots., red.;
ASHARAPOVA, M.A., dots., red.; NURMUKHAMEDOV, R.M., kand.
med. nauk, red.; AKSEL'ROD, M.B., red.; TSAI, A.A., tekhn.
red.

[Selected works] Izbrannye trudy. Tashkent, Medgiz, 1962.
350 p. (MIRA 16:4)

(SURGERY)

SHKOL'NIKOV, P., tekhnicheskij rukovoditel' arteli; BOROVKOVICH, D.

Ways for using industrial potentialities. Prom.koop. no.1:9-11
Ja '56. (MLRA 9:6)

1.Dotsent Rostovskogo finansovo-ekonomicheskogo instituta.
(Rostov-on-Don--Furniture industry)

BOROVLEV, A.

"Honor of the uniform." Ochr.truda i sots.strakh. 4 no.12:22 D
'61. (MIRA 14:11)

1. Predsedatel' ob'yedinennogo postroykoma tresta Stavropol'-
promstroy. (Stavropol--Grievance procedures)

BOROVLEV, N.Ya., inzh.; VEREYKIN, G.V., inzh.

Working frozen soils. Mekh.stroi. 19 no.11:17-18 N '62.
(Frozen ground) (MIRA 15:11)

ODINTSOV, Georgiy Nikolayevich; SHTODA, Sergey Pavlovich; LYUBARSKIY, Aleksey

Leonidovich; BUBNOV, Ye.S., red.; BOROVLEV, V.A., red., SERGEYEVA, N.A.,
red.izdatel'stva; PEN'KOVA, S.A., ~~tekh~~.red.

[The SBU-150-ZIV mobile boring apparatus; description of and
directions for operation] Samokhodnaya burovaia ustanovka SBU-150-ZIV;
opisanie i rukovodstvo po ksplyatatsii. Moskva, Gos.nauchno-tekhn.
izd-vo lit-ry po geol. i okhrane neдр, 1957. 95 p.(MIRA 10:12)
(Boring machinery)

BYKOV, N.Ye.; KUCHAPINA, M.I.; KAZAKOVA, V.Ye.; BOROVLEVA, T.P.;
ALENIN, V.V.; BOKSERMAN, A.A.; ORLOV, V.S.

Delineation of production areas in the fields of the cis-
Carpathian region. Nauch.-tekh. sbor. po dob. nefti no.19:
6-12 '63.

(MIRA 17:8)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut.

BOROVNEV, F., polkovnik; IVAYEV, T., podpolkovnik

Creativity of innovators. Tyl i snab. Sov. Voor. Sil
21 no.9:81-86 S '61: (MIRA 14:12)
(Scientific apparatus and instruments)

GINZBURG, David Borisovich, doktor tekhn. nauk; DELIKISHKIN, Sergey Nikolayevich, kand. tekhn. nauk; KHODOROV, Yevgeniy Iosifovich, kand. tekhn. nauk; CHIZHSKIY, Anatoliy Fedorovich, kand. tekhn. nauk; BUDNIKOV, P.P., akademik, red.; DOBROKHOTOV, N.N., akademik, nauchn. red. [deceased]; KOSYAKINA, Z.K., red.; BOROVNEV, N.K., tekhn. red.

[Kilns and drying apparatus for the silicate industry] Pechi i sushilki silikatnoi promyshlennosti. [By] D.B. Ginzburg i dr. Izd. 3., perer. Moskva, Gosstroizdat, 1963. 342 p.

(MIRA 17:2)

1. Akademiya nauk Ukr. SSR (for Budnikov).

Doc. 1, 90. 5
Science Abstract
Section A

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98-58-4-6/18

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TITLE: Technical Specifications and Norms for Projects of Concrete and Reinforced-Concrete Hydrotechnical Constructions (O TuiN na proyektirovaniye betonnykh i zhelesobetonnykh gidrotekhnicheskikh konstruktsiy)

PERIODICAL: Gidrotekhnicheskoye Stroitel'stvo, 1958, Nr 4, pp 25-30 (USSR)

ABSTRACT: Some suggestions are made in connection with the proposed issue of "Technical Specifications and Norms for Projects of Concrete and Reinforced Concrete Constructions".
Section 1 which could be entitled "Sphere of Application" should clearly define which kind of constructions are to be considered hydrotechnical. Reference should be made to documents concerning norms of material, load, construction of different specific structures.
Section 2 should be devoted to the materials employed, pointing out that the concrete should be chosen on the basis of its watertightness, frost resistance and stability in view of axial stretch. The existing classification of concrete in

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accordance with State Standards based on the stability in view of compression does not correspond to the working conditions of hydrotechnical constructions. Only in the event of particular pressure being exerted in certain constructions providing for columns, underground pipes, etc, would compression stability be checked. Diagram Nr 1 shows the relationship which exists between the stability limit of tensile strength and the sectional height of a concrete girder. Special recommendations should be given for the use of low-thermic and other types of cement, of concrete supplied by local plants, etc. It should be pointed out particularly that the sole responsibility for the construction rests with the building contractor who has to check the properties of all the material involved in the construction.

Section 3 is "General Calculations" of all constructions of classes I, II, and III pertain to basic load and additional load. Basic load represents the load under normal working

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conditions, such as the water pressure, whereas additional load is brought about by the force caused by the stress of material. Table Nr 1 shows the construction material in its states of stress in relation to the minimum safety coefficients.

Section 4 "Concrete Constructions" deals with of the different 5 classes of constructions.

Section 5 "Reinforced Concrete Constructions". This section should comprise a table indicating maximum percentages of reinforcement of hydraulic engineering, determined by the grade of cement and the kind of reinforcement employed. The lowest percentages of reinforcement are admissible at constructions which are subjected to frost when saturated with water. The highest percentages of reinforcement are to be applied in the case of submerged constructions not subject to pressure, or at constructions in the open air, yet protected against destructive atmospheric influences.

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Section 6 "Constructional Indications" should comprize recommendations pertaining to the cutting of permanent temperature seams and seams treated with concrete and to the completion of construction. General indications on the principle of reinforced construction, and recommendations concerning welded structures should also be given.

There is 1 table and 3 graphs.

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Card 4/4 1. Concrete structures-Specifications 2. Reinforced concrete structures-Specifications 3. Construction-Specifications